	÷ , , , ,		IL AND GAS	CONSERVATIO	N COMM	IISSION	· .
REMARKS: WELL L		ELECTRIC LOGSF	ILE X WATER	SANDSLOC	ATION INS	PECTED	SUB. REPORT/abd
				·			
DATE FILED	9-29-	65 ·			_		
LAND: FEE & PATE		STATE LEASE NO.		PUBLIC LEAS	ENO. [	J-09712	-A INDIAN
DRILLING APPROVE	o: In Un	it 9-14-65					
SPUDDED IN:							
COMPLETED:		PUT TO PRODUC	ING:				
INITIAL PRODUCTIO	N:						
GRAVITY A.P.I.							
GOR:							
PRODUCING ZONES:							
TOTAL DEPTH:							
WELL ELEVATION:	6200'	Gr.					
DATE ABANDONED:	Local	ion averd	oned 9-	<u> 30 - 65 - </u>			4
FIELD: 3	Ferro	n				<u>.</u>	
UNIT:	Ferro	n					
COUNTY:	Emery						
WELL NO.	FERRO	N UNIT #41-33		AF	1 43	3-015	-10797
LOCATION	660' F1	. FROM (N) (\$) LINE,	660'	FT. FROM (E)			
RGE.	SEC.	OPERATOR		TWP.	RGE.	SEC.	OPERATOR:
				20 S	7 E	33	PACIFIC NAT. GAS EXP. CC.

9-30-65 9:10 A.M.

Mr. Rod Gelio Called Elion Fright.

This location has been alandoned. A notice of abutention to drill well be filed for the Derron Unit # 23-9.

FILE NOTATIONS		Mis
Entered in NID File	Checked by Chief	pino
Entered On S R Sheet	Copy NID to Field Office	****************
Location Map Pinned	Approval Letter	*************
Card Indexed	Disapproval Letter	~********
WR for State or Fee Land		
COMPLETION DATA:		
Date Well Completed	_ Location Inspected	
OW TA	Bond released	
6W OS PA	State of Fee Land	******************************
	OGS FILED	
Driller's Log		
Electric Logs (No. )		
	GR GR-N Mi	
	VR VR-IX MK	FO

VARAD

UNITED STATES

	DEPARTMEN'	r of the inti	ERIOR	5. LEASE DESIGNATION AND SERIAL NO.
		GICAL SURVEY	· · · · · · · · · · · · · · · · · · ·	U-09712-A
APPLICATION	Y FOR PERMIT	TO DRILL, DEE	PEN, OR PLUG	
1a. TYPE OF WORK	LL 🛛	DEEPEN	PLUG BA	Not Applicable 7. UNIT AGREEMENT NAME
b. TYPE OF WELL	ier on	DELFEIT [	PLUG BA	Ferron
well w	ELL OTHER	1 1	SINGLE X MULTI	8. FARM OR LEASE NAME
2. NAME OF OPERATOR	• 5 •			
Pa 3. Address of Operator	cific Natural	Gas Explorat	ion Company	9. WELL NO.
	Rox 2436 Salt	- Lako City 1	11+-1- dull 0	41-33 10. FIELD AND POOL, OR WILDCAT
4. LOCATION OF WELL (R. At surface	Box 2436, Salt eport location clearly and	in accordance with any	State requirements.*)	Field
660	FNL & 660' FE	L of Sec 33,	T 20S, R 7E	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
At proposed prod. zon		NE NE	_	NEW NEW Sec 33, T 20s
14. DISTANCE IN MILES	AND DIRECTION FROM NEAR	,	ICE\$	R 7E
_			Ferron, Utah	12. COUNTY OR PARISH 13. STATE
15. DISTANCE FROM PROPO LOCATION TO NEAREST	SED*	16.	NO. OF ACRES IN LEASE	Emery Utah
PROPERTY OR LEASE L (Also to nearest drig	IND, FT.	660'	1643.30	320
18. DISTANCE FROM PROP TO NEAREST WELL, D	OSED LOCATION*		PROPOSED DEPTH	20. ROTARY OR CABLE TOOLS
OR APPLIED FOR, ON THI	S LEASE, FT.	None	1250'	Rotary
21. ELEVATIONS (Show whe	•	entral de la companya	a de la companya de l	22. APPROX. DATE WORK WILL START
28.	6200' Ground			10-15-65
		· · · · · · · · · · · · · · · · · · ·	ND CEMENTING PROGR	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9-7/8" 6-3/4"	<u>7-5/8"</u> 4-1/2"	26.40# 9.5#	150' 1250'	65 Sacks 125 Sacks
(Se	e attached dr	illing propos	al) Arce	And the property of the proper
s above space describe one. If proposal is to deventer program, if any.  SIGNED E. E.  (This space for Federal	Loman E	ly, give pertinent data	plug back, give data on pon subsurface locations and price of the subsurface locations are price of the subsurface of th	resent productive sone and proposed new productive nd measured and true vertical depths. Give blowout
PERMIT NO.			APPROVAL DATE	
APPROVED BY		TITLE		DATE
CONDITIONS OF APPROVAL	, IF ANY:			

\*See Instructions On Reverse Side

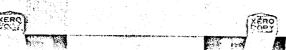
Form approved. Budget Bureau No. 42-R1425.

## UNITED STATES

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK  1a. TYPE OF WORK  DRILL AS DEEPEN DEEP	1 m	DEPARIMEN	I OF THE I	NIERIOR		5. LEASE DESIG	NATION AND S	ERIAL NO
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK  In the of work    Deepen		GEOLO	OGICAL SURVI	ΣΥ		1	- F	SELAN NO.
DRILL & DEEPEN DISTANCE IN MULTIPUS SOUTH STATE OF THE SONS DRILL SOUTH	APPLICATIO	N FOR PERMIT	TO DRILL I	PEPEN OR PLUG	BACK	6. IF INDIAN,	LLOTTEE OR TR	IBE NAME
D. TIPE OF WELL  OUT. CAS OF OFFICE OR SENTER  PACIFIC Natural Gas Exploration Company  3. Andrews of Operation  P. O. Box 2436, Salt Lake City, Utah 84110  3. ADDRESS OF OPERATOR  P. O. Box 2436, Salt Lake City, Utah 84110  4. LOCKING OF WELL (Report location clearly and in accordance with any State requirements.*)  At proposed prod. 2002  At proposed prod. 2002  14. DISTANCE IN MILES AND DESCRIPTION FROM PRABEST YOWN OR FORF OFFICE*  15. COUNTY OR PABLIN 13. SEXTE  16. DISTANCE IN MILES AND DESCRIPTION FROM PRABEST YOWN OR FORF OFFICE*  17. COUNTY OR PABLIN 15. SEXTE  18. COUNTY OR PABLIN 15. SEXTE  19. DISTANCE FROM PROPOSED PROPOSED PRIVE 15. COUNTY OF PABLIN 15. SEXTE  CASE OF NAME 15. SEXTE  19. DISTANCE FROM PROPOSED COLUTION TO NAME TO THE COUNTY OF PABLIN 15. SEXTE  CASE OF NAME TO PROPOSED PRIVE 15. SEXTE  19. DISTANCE FROM PROPOSED COLUTION TO NAME TO THE COUNTY OF PABLIN 15. SEXTE  CASE OF NAME TO THE COUNTY OF PABLIN 15. SEXTE  19. DISTANCE FROM PROPOSED COLUTION TO NAME TO THE COUNTY OF PABLIN 15. SEXTE  CASE OF NAME TO THE COUNTY OF PABLIN 15. SEXTE  CASE OF NAME TO THE COUNTY OF PABLIN 15. SEXTE  10. DISTANCE FROM PROPOSED COLUTION TO NAME TO THE COUNTY OF PABLIN 15. SEXTE  CASE OF THE COUNTY OF PABLIN 15. SEXTE  10. DISTANCE FROM PROPOSED CASING AND CEMENTING PROGRAM  22. APPROX. DATE TO CASE OF THE COUNTY O	1a. TYPE OF WORK				DACK	Not	Applicat	le
OTHER SOME SOME SOME STATE OF SERIOR OF CAMERY  2. NAME OF OPERATOR  Pacific Natural Gas Exploration Company  3. ADDRESS OF OPERATOR  P. O. Box 2436, Salt Lake City, Utah 84110  4. LOCATION OF WALL (Report location clearly and in accordance with any State requirements.*)  4. LOCATION OF WALL (Report location clearly and in accordance with any State requirements.*)  4. LOCATION OF WALL (Report location clearly and in accordance with any State requirements.*)  4. LOCATION OF WALL (Report location clearly and in accordance with any State requirements.*)  4. LOCATION OF WALL (Report location clearly and in accordance with any State requirements.*)  4. LOCATION OF WALL (Report location clearly and in accordance with any State requirements.*)  4. LOCATION OF WALL (Report location clearly and in accordance with any State requirements.*)  4. LOCATION OF WALL (REPORT location clearly and in accordance with any State requirements.*)  4. LOCATION OF WALL (REPORT location clearly and in accordance with any State requirements.*)  4. LOCATION OF WALL (REPORT location clearly and in accordance with any State requirements.*)  4. LOCATION OF WALL (REPORT location clearly and in accordance with any State requirements.*)  4. LOCATION OF WALL (REPORT location clearly and in accordance with any State requirements.*)  4. LOCATION OF WALL (REPORT location clearly and in accordance with any State requirements.*)  4. LOCATION OF WALL (REPORT location clearly and in accordance with any State requirements.*)  4. LOCATION OF WALL (REPORT location clearly and in accordance with any State requirements.*)  4. LOCATION OF WALL (REPORT location clearly and in accordance with any State requirements.*)  4. LOCATION OF WALL (REPORT location clearly and in accordance with any State requirements.*)  4. LOCATION OF WALL (REPORT location clearly and in accordance with any State requirements.*)  4. LOCATION OF WALL (REPORT location clearly and in accordance with any State requirements.*)  4. LOCATION OF WALL (REPORT location clearly and in accordance		ILL 🗓	DEEPEN [	PLUG BA	YCK 🗌	7. UNIT AGREE	MENT NAME	
WELL WALL OF STATES  Pacific Natural Gas Exploration Company  3. And of organization  P. O. Box 2436, Salt Lake City, Utah 84110  4. LOCATION OF WALL (Report location clearly and in accordance with any State requirements.*)  At proposed prod. zone  At proposed prod. zone  14. Distance in Miles and direction from Nearist town of Fost Office*  14. 1/4 miles South of the town of Ferton, Utah  15. Distance from fronces of Control 16. No. OF ACES IN LAMBS  17. DISTANCE FROM FRONCESSON  (Also to nearest day, unit line, it any)  ON APPLIED FOR, ON THIS LAMB, IT.  None  12. DISTANCE FROM FRONCESSON  ON APPLIED FOR, ON THIS LAMB, IT.  None  12. DISTANCE FROM FRONCESSON  ON APPLIED FOR, ON THIS LAMB, IT.  None  12. DISTANCE FROM FRONCESSON  ON APPLIED FOR, ON THIS LAMB, IT.  None  12. DISTANCE FROM FRONCESSON  ON APPLIED FOR, ON THIS LAMB, IT.  None  12. DISTANCE FROM FRONCESSON  ON APPLIED FOR CASES OF THE ACES.  FRONCESSON  SOLUTIONS (Show whether DF, RT, CR, etc.)  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE  SIZE OF HOLE  SIZE OF HOLE  SIZE OF CASING  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE  SIZE OF HOLE  SIZE OF CASING  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE  SIZE OF HOLE  SIZE OF CASING  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE  SIZE OF HOLE  SIZE OF CASING  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE  SIZE OF HOLE  SIZE OF HOLE  SIZE OF SIZE OF CASING  SIZE OF HOLE  SIZE OF HOLE  SIZE OF CASING  SIZE OF HOLE  SIZE OF SIZE OF CASING  SIZE OF SIZE OF CASING  SIZE OF HOLE  SIZE OF SIZE OF CASING  SIZE OF SIZE OF CASING  SIZE OF HOLE  SIZE O	017.	A8 []		##### FT 3491				
Pacific Natural Gas Exploration Company  P. O. Box 2436, Salt Lake City, Utah 84110  4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)  660' FNL & 660' FEL of Sec 33, T 20S, R 7E  At proposed prod. sone  14. DISPANCE IN MILES AND DIRECTION FROM NAMEST TOWN OR POST OFFICE*  14. 1/4 miles South of the town of Ferton, Utah  15. DISPANCE PROM. PROFOSED LOCATION*  16. DISPANCE PROM. PROFOSED LOCATION*  None  1250' ROTARY  18. ELEVATIONS (Show whether DF, RT, GR, etc.)  18. SELENATIONS (Show whether DF, RT, GR, etc.)  19. PROFOSED LOCATION*  None  1250' ROTARY  1015-65  SIER OF ROLE  SIER OF CASINO  WEIGHT PER FOOD  SETTING DEFTH  QUANTITY OF CEMENT  9.7/8" 75/8" 26.40# 150' 65 Sacks  (See attached drilling proposal)  (See attached drilling proposal)	WELL	ELL X OTHER	<del>, ,</del>	ZONE X ZONE	IPLE .	8. FARM OR LE	ASE NAME	
P. O. Box 2436, Salt Lake City, Utah 84110  10. FIELD AND FOOL, OR WILDCAT  660' FNL & 660' FEL of Sec 33, T 20S, R 7E  At proposed prof. some  14. DISPANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR FOST OFFICE'  14. L/4 miles South of the town of Ferron, Utah 10. DISPANCE FROM PROPOSED PROF.  10. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSISTED  10. PROPOSED LINE, FL.  10. PROPOSED DEPTH 10. NO. OF ACRES WILLES  10. PROPOSED CASING AND CEMENTING PROGRAM  (See attached drilling proposal)  (See attached drilling proposal)		-252- 37 1 3				<u> </u>		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  A LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  A the proposed prod. some  14. DISTANCE IN MILES AND DIRECTION FROM MEAREST TOWN OR FOST OFFICE.  14. L.   4 miles and Direction from Mearest town of fost office.  15. No. of acres in Lease in L	3. ADDRESS OF OPERATOR	clilc Natural	Gas Explor	ration Company	4 11	-		
At proposed prod. some  At prod. som	P. O.	Box 2436 9-1-	t Inko Cit	. 11+-1- 04120	. et +5 5:			
At proposed prod. some  At prod. som	4. LOCATION OF WELL (R	eport location clearly and	I in accordance with	h any State requirements.*)	- Jr			CAT
At proposed prod. sone    At proposed prod. sone					125	11. SEC. T. R	-eTq	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR FOST OFFICE*  14-1/4 miles South of the town of Ferron, Utah  15. DISTANCE FROM PROPOSED*  16. NO. OF ACRES IN LEASE  17. NO. OF ACRES ASSIGNED  17. NO. OF ACRES ASSIGNED  18. DISTANCE FROM PROPOSED LOCATION*  19. PROPOSED DIPTH  20. ROTARY OR CARLE TOOLS,  03.20.  19. PROPOSED DIPTH  20. ROTARY OR CARLE TOOLS,  03. ROTARY OR CARLE TOOLS,  04. ROTARY  21. ELEVATIONS (Show whether DF, RT, GR, etc.)  22. APPROX. DATE WORK WILL STARY  25. BIZE OF HOLE  SIZE OF HOLE  SIZE OF CASING  WEIGHT FER FOOT  SIZE OF HOLE  SIZE OF CASING  WEIGHT FER FOOT  SIZE OF HOLE	At proposed prod. zor	16	77 OT 266 7	J, I 205, R /E		AND SURVE	Y OR AREA	
4-1/4 miles South of the town of Ferron, Utah  10. DIETANCE FROM FROM PROPERTY OF LARBE TOWN OF FERRON. DO ACRES IN LEASE TOWN OF ACRES ASSIGNED TO THIS WELL.  (Also to becerted drg. unit line, if any) 660 ' 1643.30 320  18. DISTANCE FROM PROPOSED LOCATION*  TO NABERTY WELL, DELLUNG, COMPLETED, OF APPLIED FOR, ON ARTISLEASS, FT.  None 1250 ' ROTARY  1250 ' ROTARY  12. ELEVATIONS (Show whether DF, RT, GR, etc.)  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE SIZE OF CASING WEIGHT FER FOOT SETTING DEFTH QUANTITY OF CEMENT  9-7/8" 7-5/8" 26.40# 150' 65 Sacks  6-3/4" 4-1/2" 9.5# 1250' 125 Sacks  (See attached drilling proposal)					<b>3</b> - 1	NET NET	Sec 33,	r 20S
16. No. OF ACRES IN LEASE   17. No. OF ACRES ABSIGNED   16. No. OF ACRES ABSIGNED	14. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POST	OFFICE*	73	12. COUNTY OR	PARISH   13. s	TATE
16. No. of acers in Lease   17. No. of acers aesigned   16. No. of acers in Lease   17. No. of acers aesigned   18. No. of acers aesigned	4-1/4	miles South o	of the town	of Ferron, Utah	300	Fmony	17	tah
18. DISTANCE FROM PROPOSED LOCATIONS   19. PROPOSED DEPTH   20. ROTARY OR CABLE TOOLS   1250	LOCATION TO NEAREST	)SED+		16. NO. OF ACRES IN LEASE	17. No. 0	OF ACRES ASSIGNE	D .	Laii
18. DISTANCE FROM PROPOSED LOCATION* TO NABREST WELL, DEFILING, COMPLETED, OR APPLIED FOR, ON TRIE LASS, FT.  NOTICE 1250' ROTARY  22. REPACT. DATE WORK WILL START*  6200' Ground  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE SIZE OF CASING WEIGHT FER FOOT SETTING DEFTH QUANTITY OF CEMENT  9-7/8" 7-5/8" 26. 4\0\0\0\0\0\0\0\0\0\0\0\0\0\0\0\0\0\0\0	(Also to nearest drig	INE, FT. 5. unit line, if any)	6601	1643.30	2.5			
None   1250   Rotary   22. APPROX. DATE WORK WILL START*	TO NEAREST WELL, D	RILLING, COMPLETED.			20. ROTAL	BY OR CABLE TOO	LS,	
22. APPROX. DATE WORK WILL START*   6200	OR APPLIED FOR, ON TH	IS LEASE, FT.	None	1250'		Rotary		
### SIZE OF HOLE   SIZE OF CASING   WEIGHT PER FOOT   SETTING DEPTH   QUANTITY OF CEMENT	21. ELEVATIONS (Show who				. 3	22. APPROX. D	ATS WORK WIL	L START*
SIZE OF HOLE	50	6200' Ground			۲ )	10-	15-65	•
SIZE OF HOLE   SIZE OF CASING   WEIGHT PER FOOT   SETTING DEPTH   QUANTITY OF CEMENT			PROPOSED CASIN	G AND CEMENTING PROGE	MA			
6-3/4" 4-1/2" 9.5# 1250; 125 Sacks  (See attached drilling proposal)	SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	OT SETTING DEPTH		<del></del>	CEMENT	<del></del>
(See attached drilling proposal)		7-5/8"	26.40#	150'	65 S	acks		
(See attached drilling proposal)	6-3/4"	4-1/2"	9.5#	1250'				
					¥ \$			
	'			1	1 of 5			
	(0-				94			
	(56	e attached dr	illing prop	osal)				
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					H (1)	5 6 7 8 1 4 6 1 1 1 1	J# 30.4	
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		en mu D	rilling Supe	rintender	nt DATE	<u> </u>
This space for Federal o	r State office use)					
RMIT No.			APPROVAL DATE			

See Instructions On Reverse Side



## DRILLING PROGRAM FOR FERRON UNIT NO. 12-3 SW4 NW4 Sec 3, T 21S, R 7E Emery County, Utah Development Well

- 1. Build road and location, move in, rig up and drill 165' of 9-7/8" hole with mud as a circulating medium.
- 2. Run 150' of 7-5/8", 26.40#/foot, J-55, S.T.& C. casing. Cement with sufficient quantity of cement with 2% CaCl<sub>2</sub> to circulate to surface.
- 3. W.O.C. 16 hours. After 8 hours, install casing head and B.O.P. Pressure test with 1,000# for 15 minutes.
- 4. After 16 hours, drill out with 6-3/4" bit using air as a circulating medium.
- 5. Expected formation tops are as follows:

Surface Blue Gate Shale Ferron 1030' Estimated T.D. 1230'

- 6. Samples will be collected at 10-foot intervals from surface to T.D.
- 7. After total depth is reached, fill hole with mud and run I.E.S. and Micro Caliper log to T.D. Circulate all gas out of mud prior to running easing.
- 8. Run and cement (with 2% CaCl2) approximately 1230' of 4-1/2", 0.D., 9.5#/foot, J-55, S.T.& C. casing. Cement should fill up approximately 300' above top of Ferron Sand.
- 9. Deviation surveys will be run at not more than 200-foot intervals. The deviation will be kept within one degree per 100' of hole drilled.
- 10. After 4-1/2" casing is run and cement hardened, intervals picked from the logs will be perforated. A sand-water, liquid  $\rm CO_2$  frac will be utilized after perforating.

EEL/chd 9-14-65